

FIG. 1A

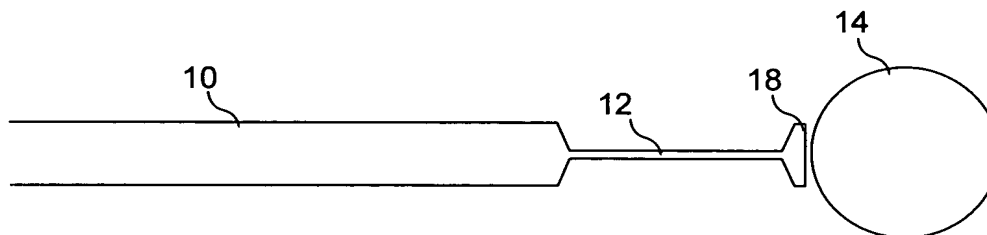


FIG. 1B

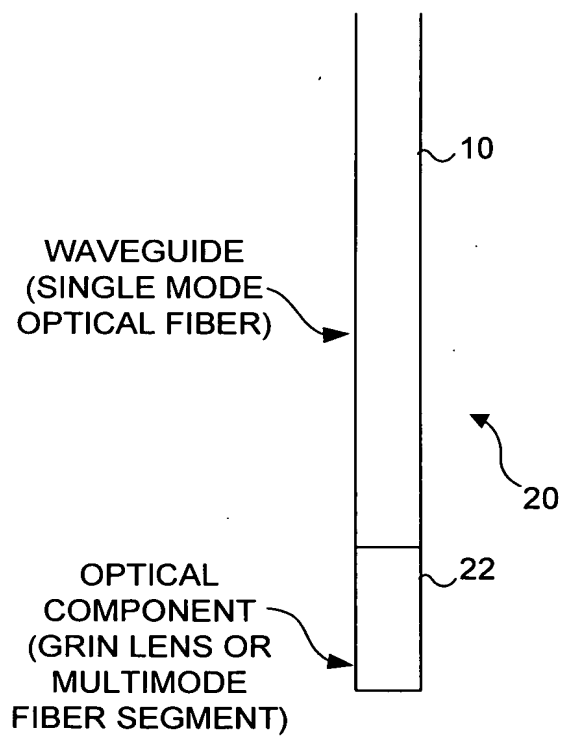


FIG. 1C

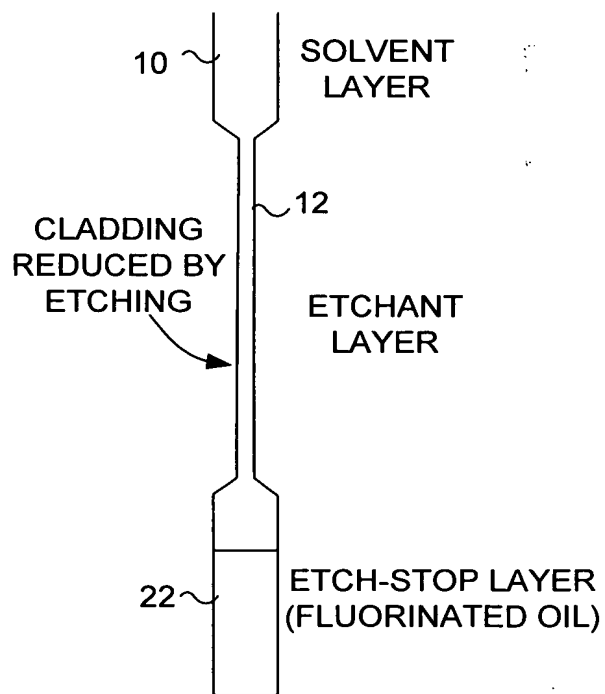


FIG. 1D

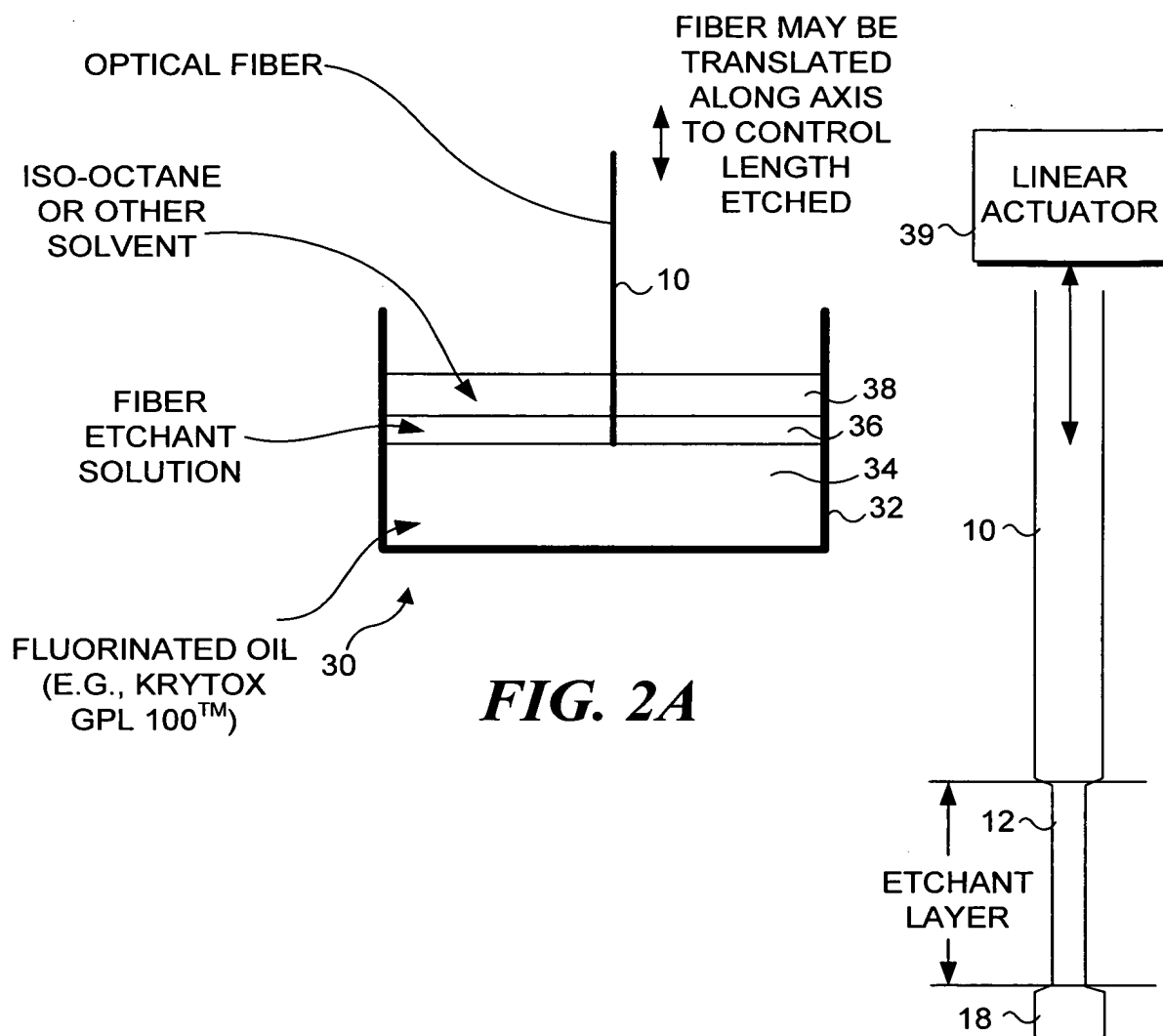


FIG. 2A

FIG. 2B

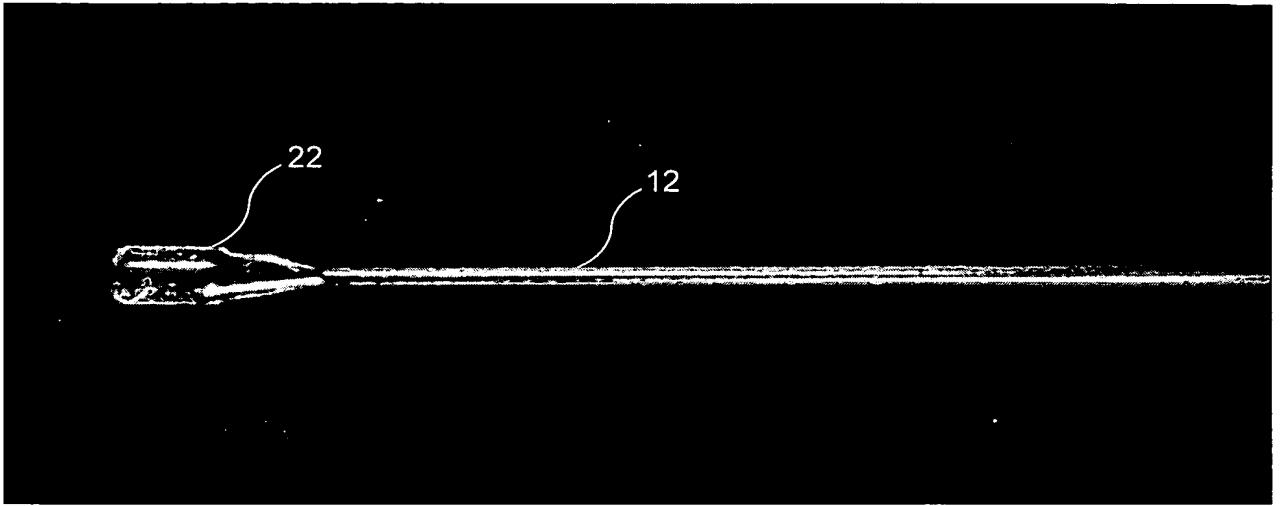


FIG. 3A

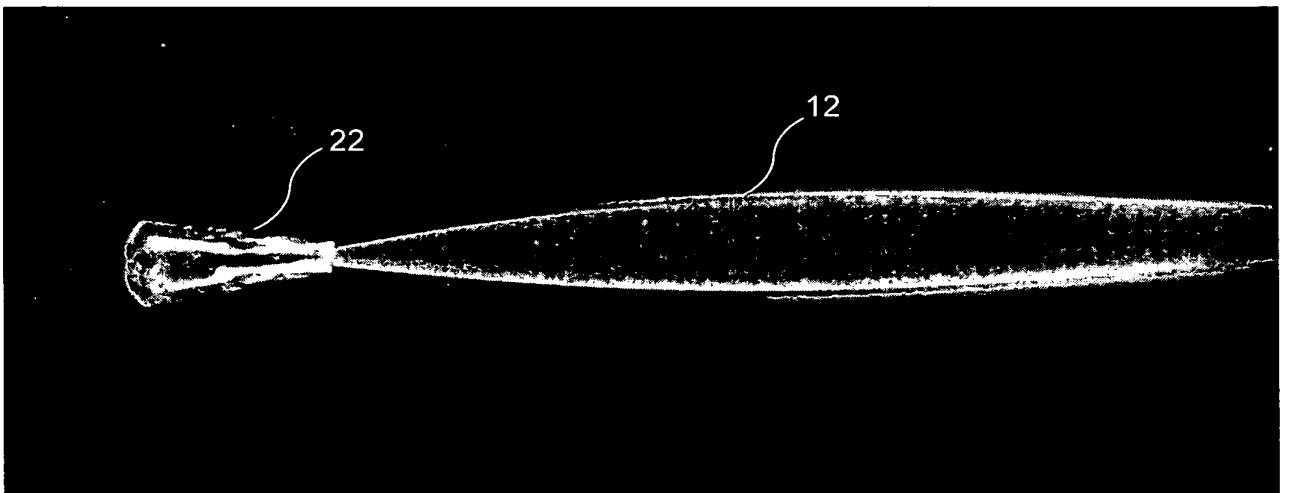
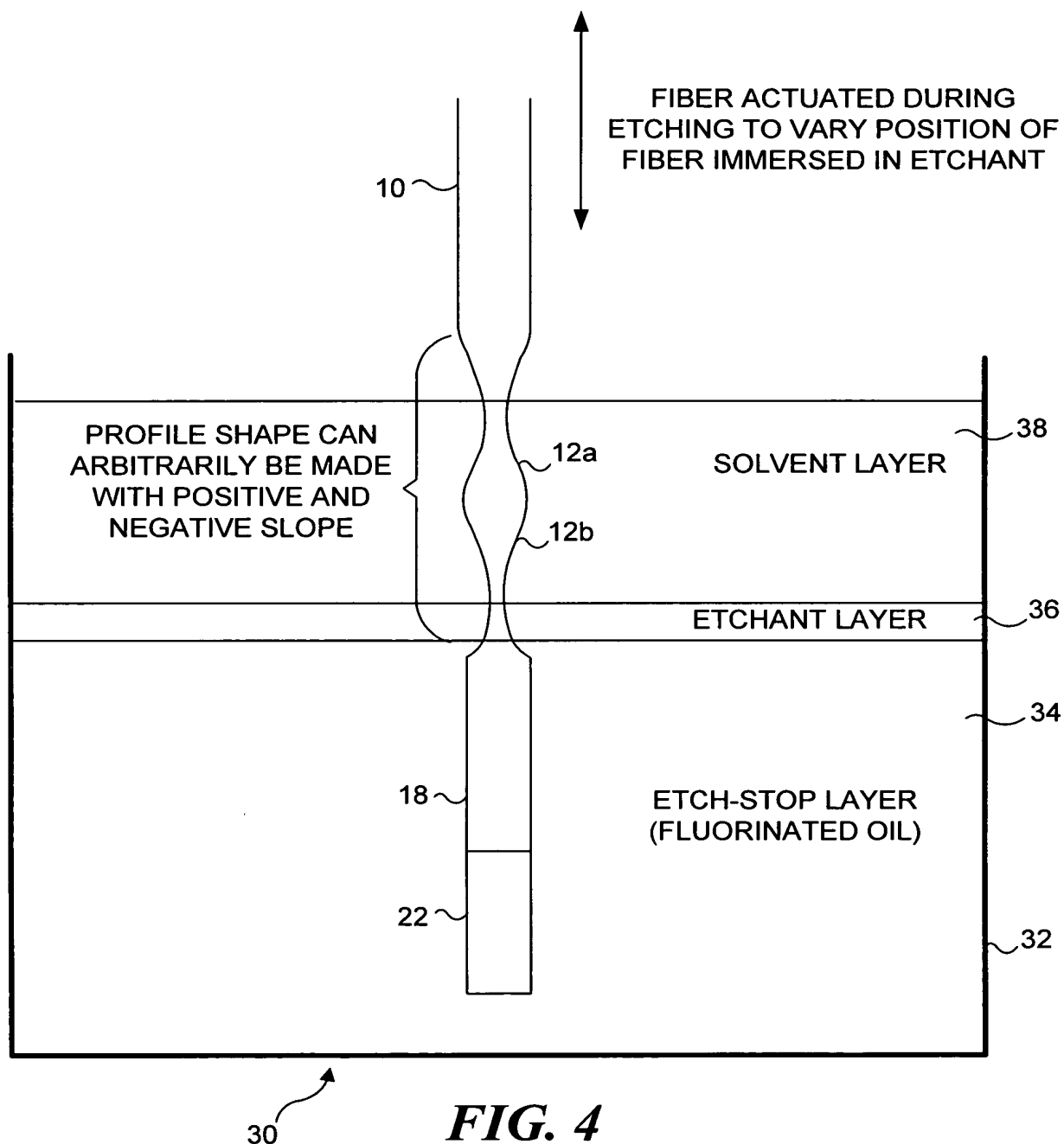


FIG. 3B

BEST AVAILABLE COPY



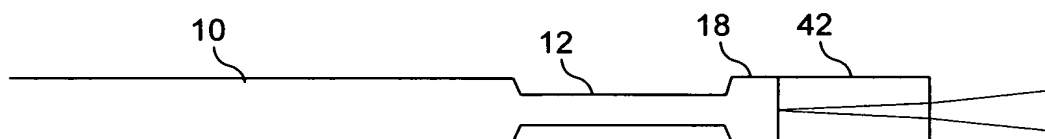


FIG. 5A

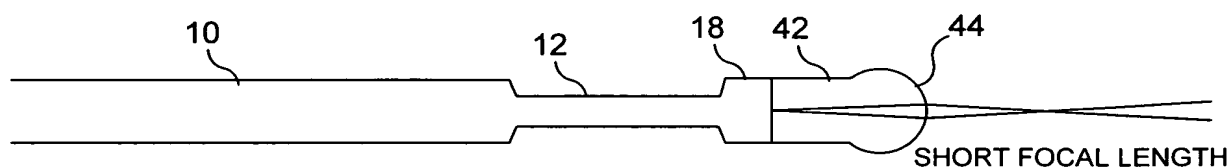


FIG. 5B

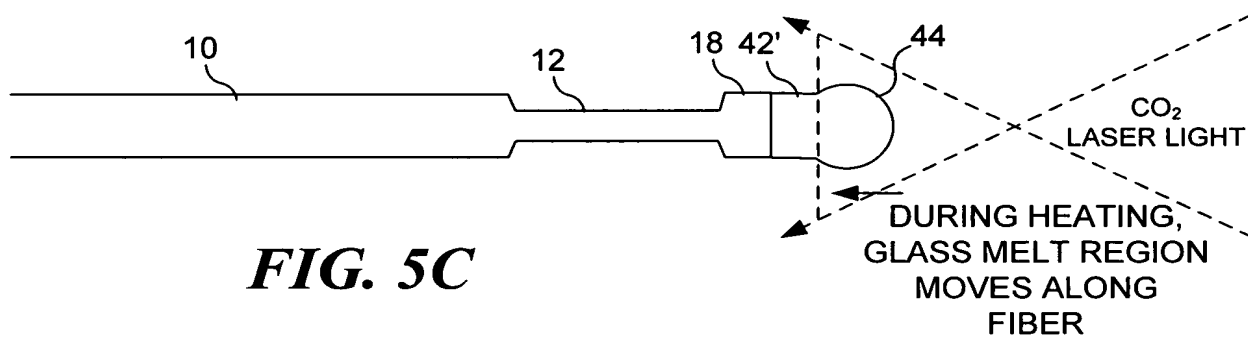


FIG. 5C

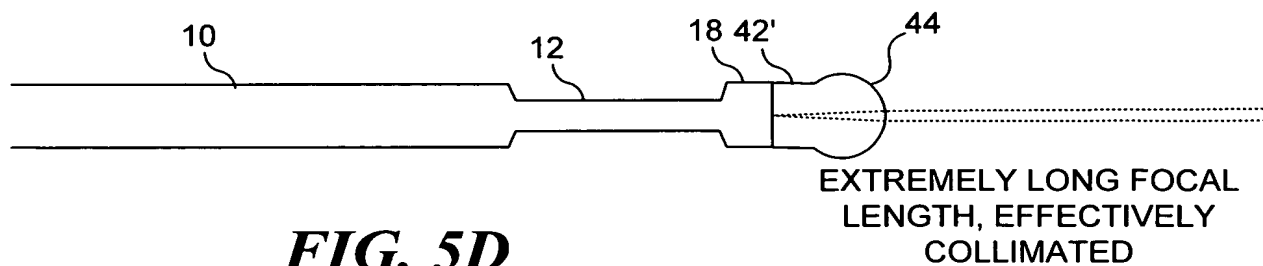


FIG. 5D

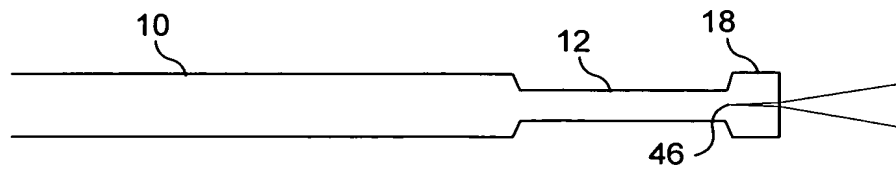


FIG. 6A

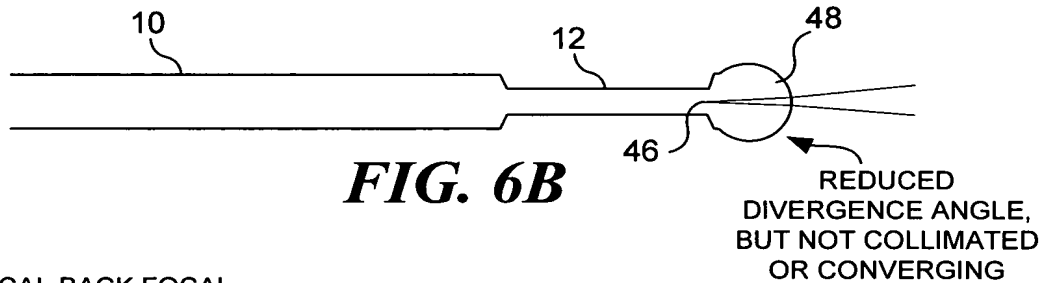


FIG. 6B

TYPICAL BACK FOCAL
POINT FOR BALL LENS
FORMED OF SILICA
(REFRACTION INDEX
APPROX. 1.4 TO 1.5)

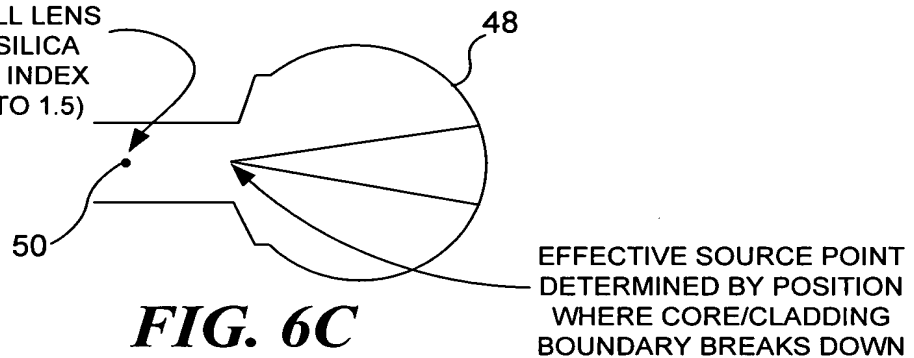


FIG. 6C

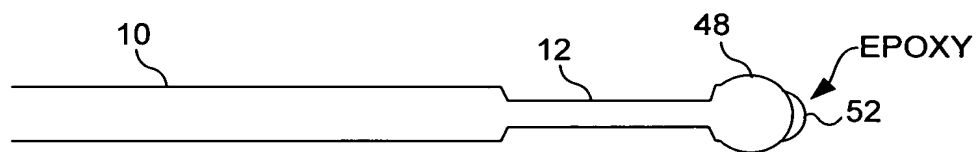


FIG. 6D

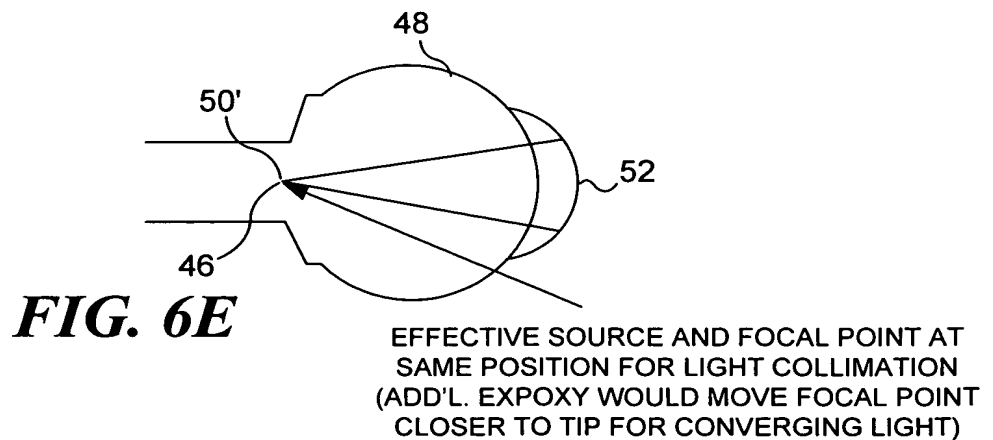


FIG. 6E

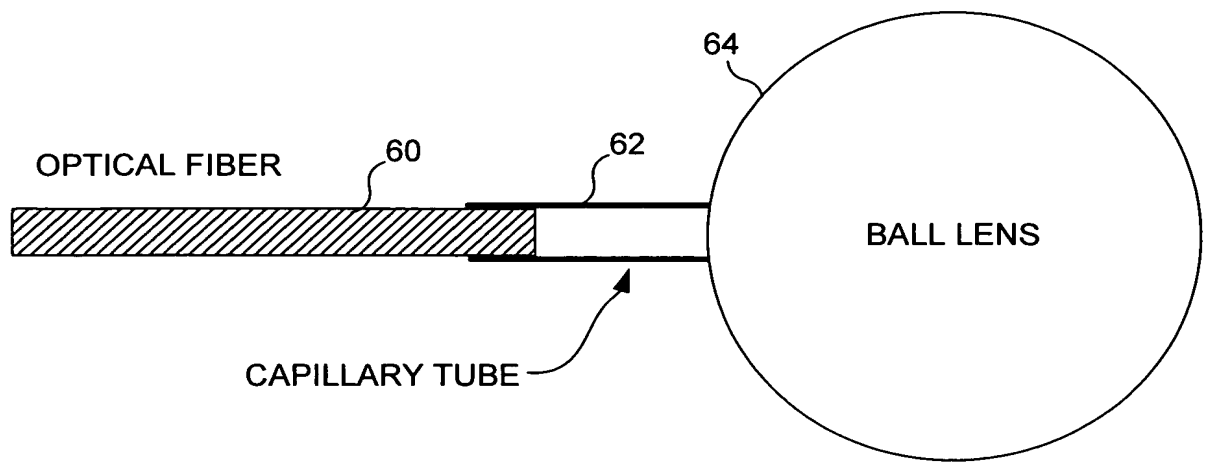


FIG. 7A

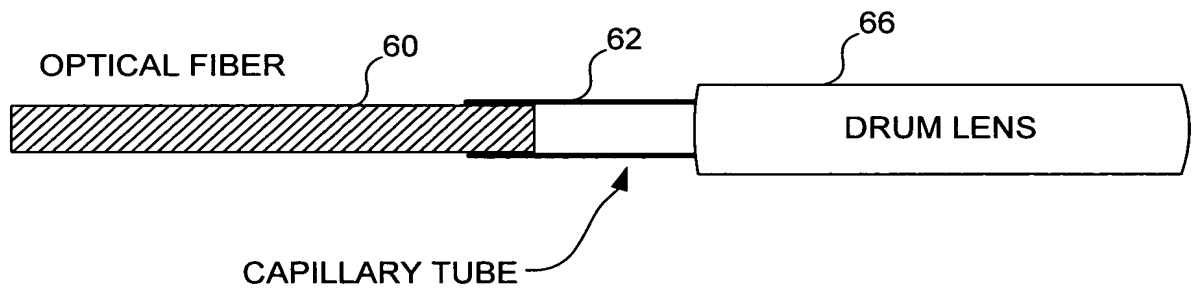


FIG. 7B

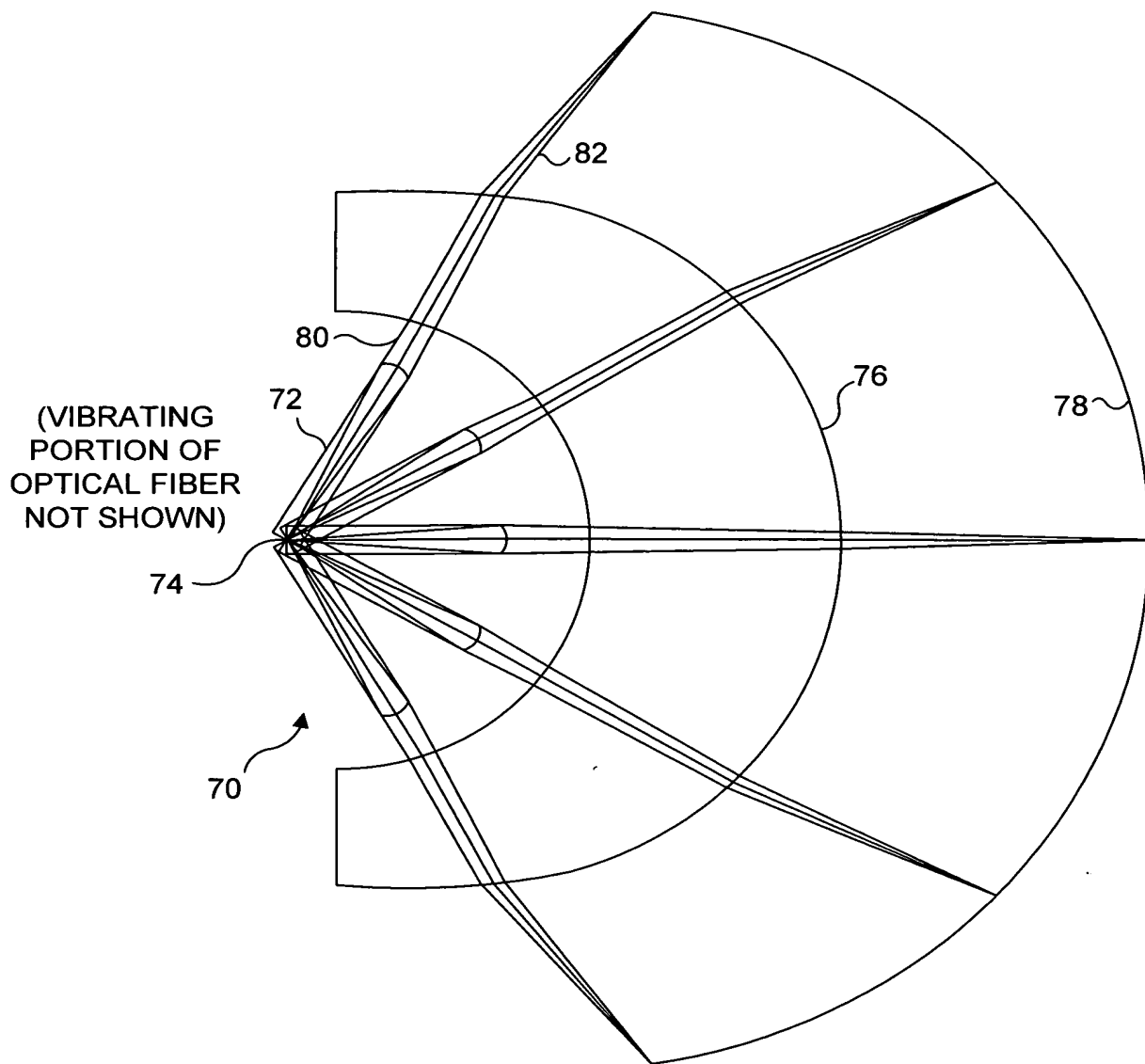


FIG. 8

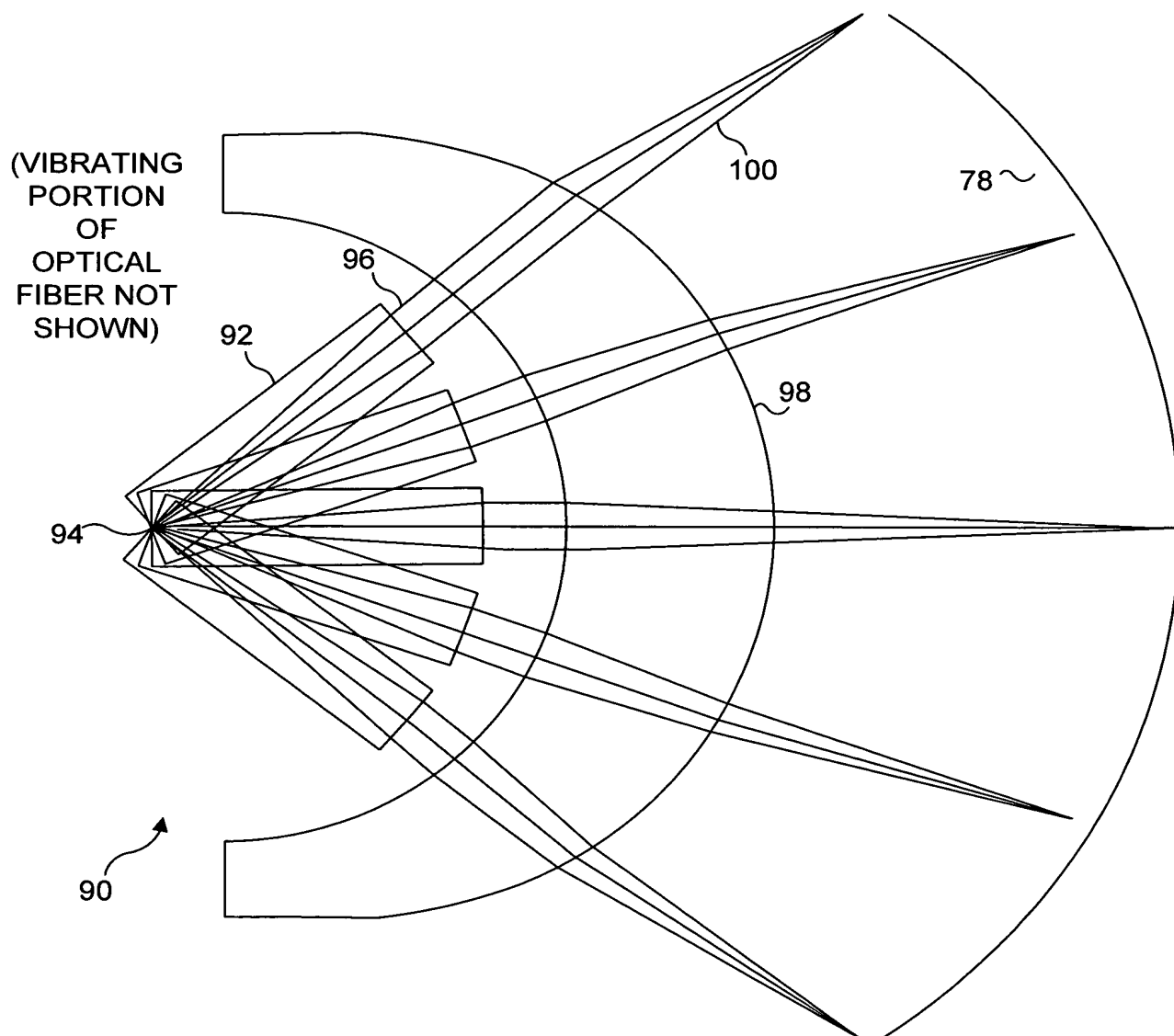


FIG. 9

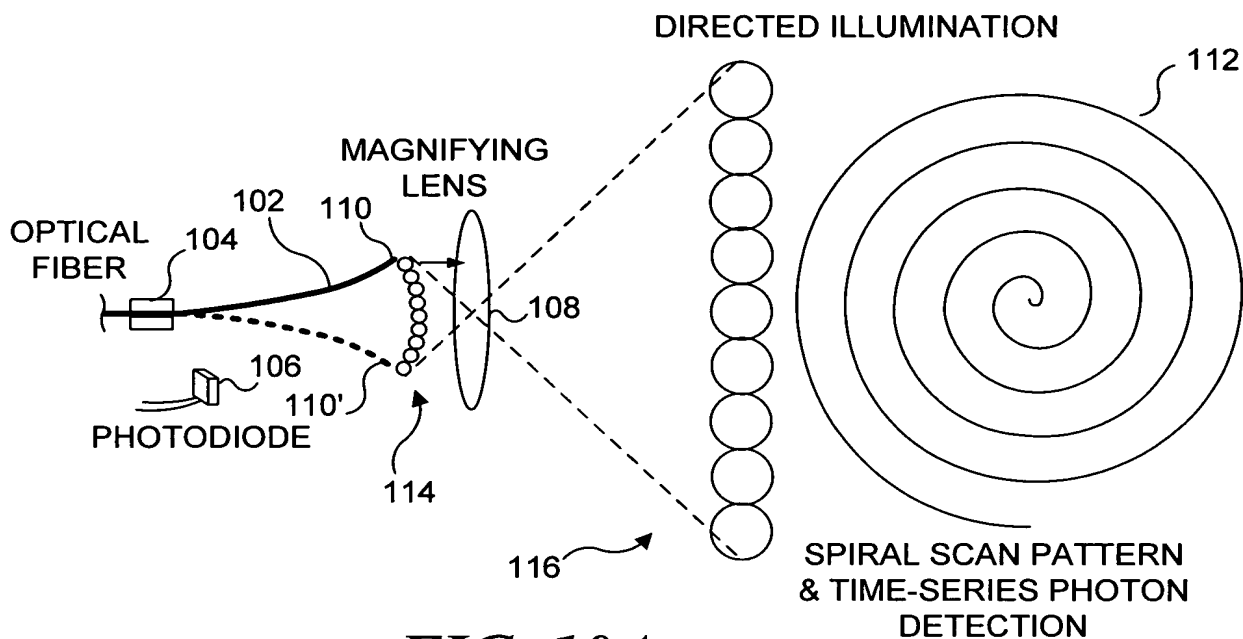


FIG. 10A
(PRIOR ART)

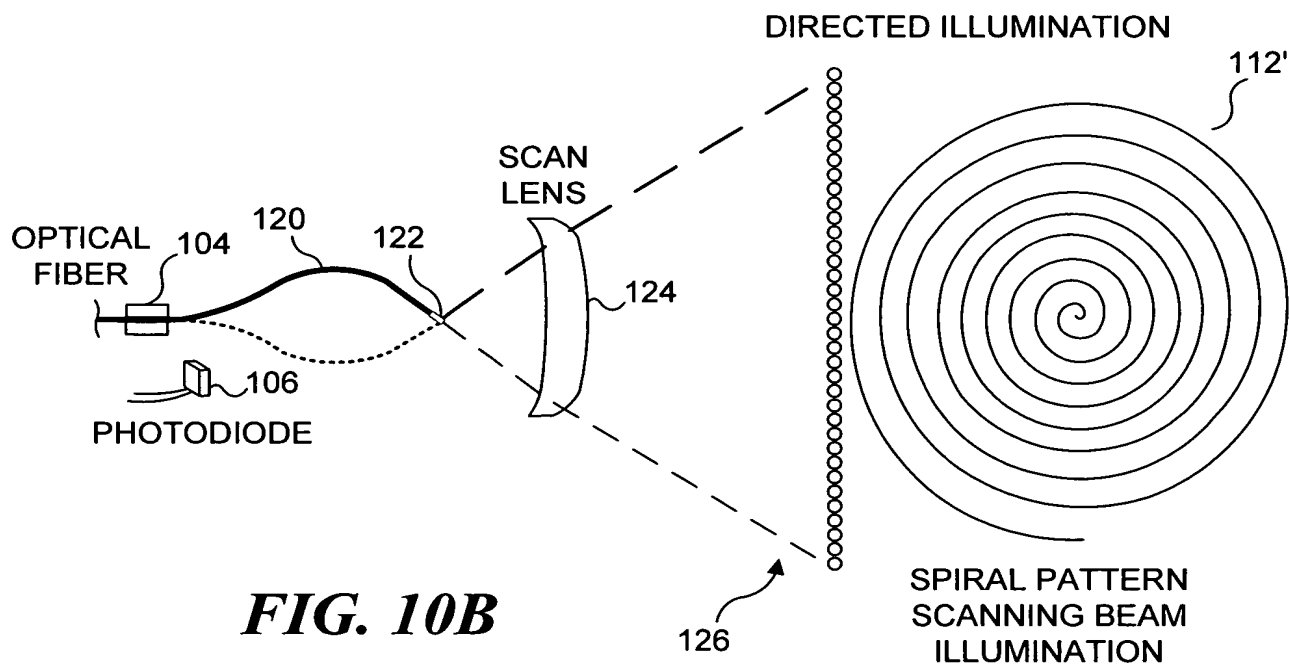


FIG. 10B

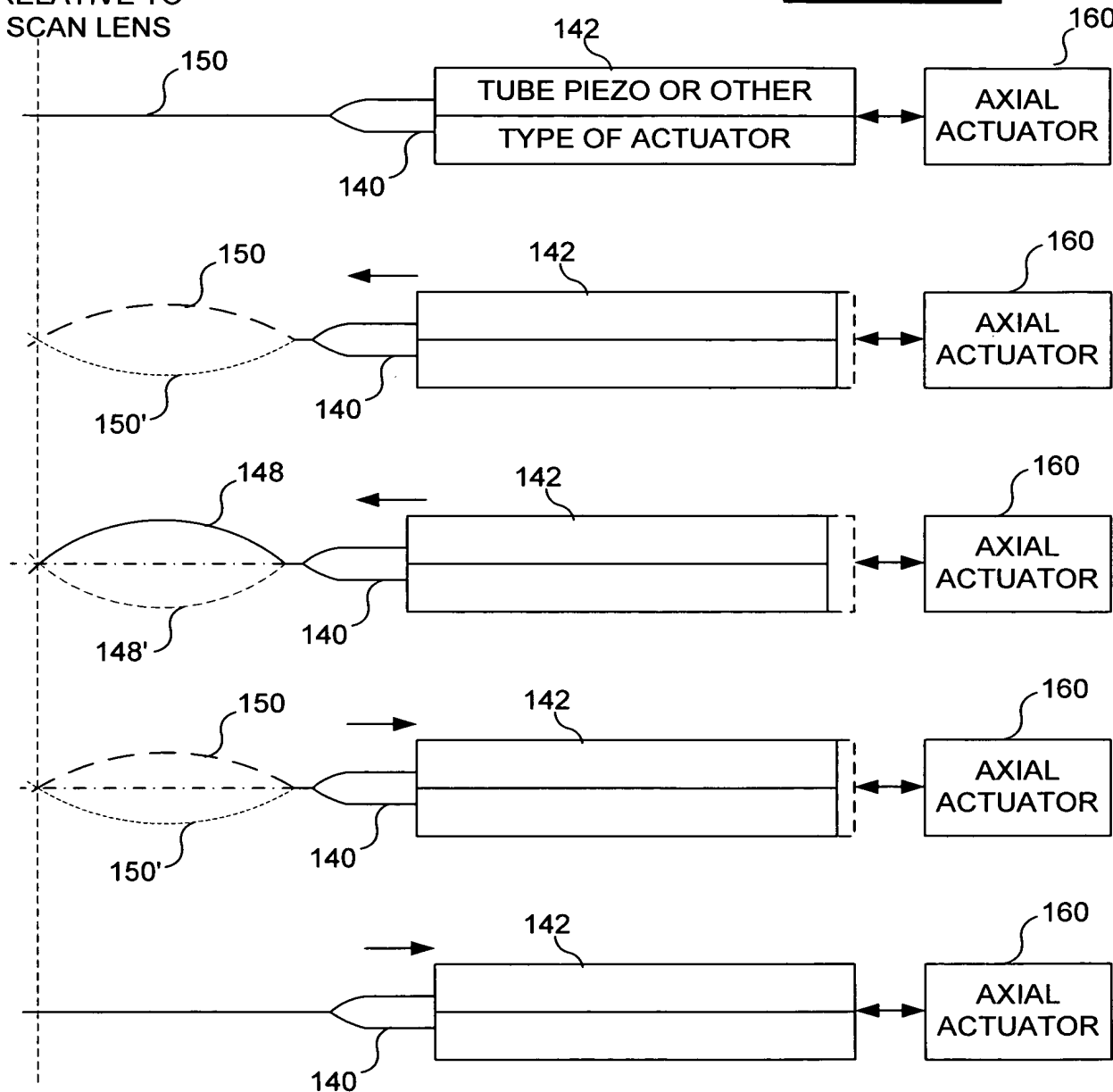
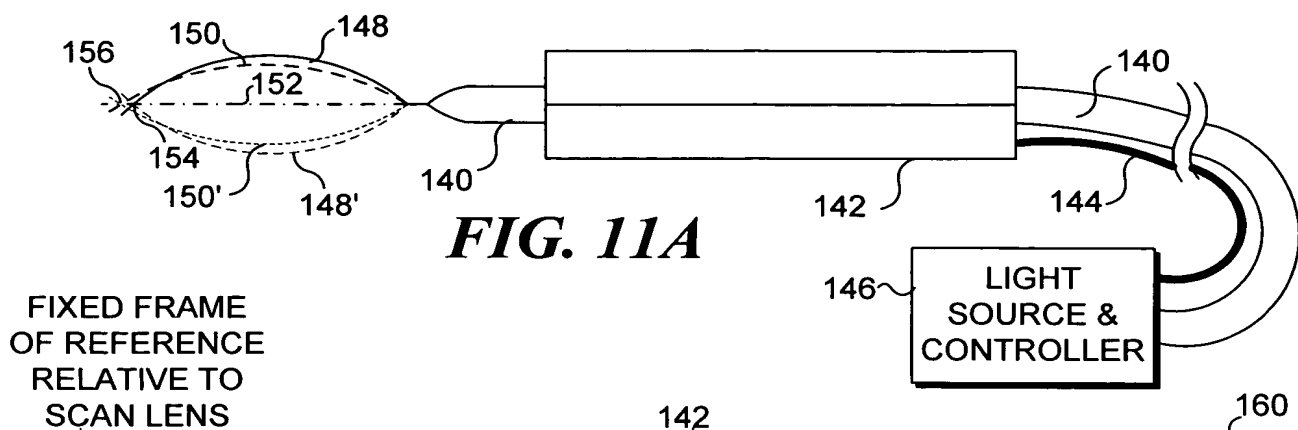


FIG. 11B

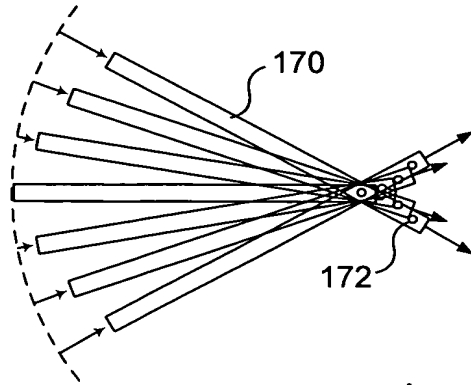


FIG. 12A

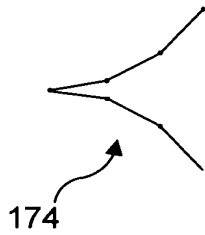


FIG. 12B

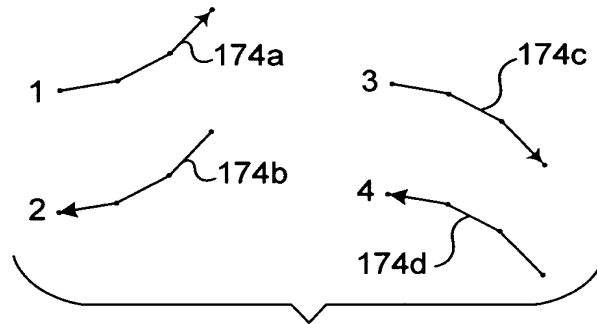


FIG. 12C

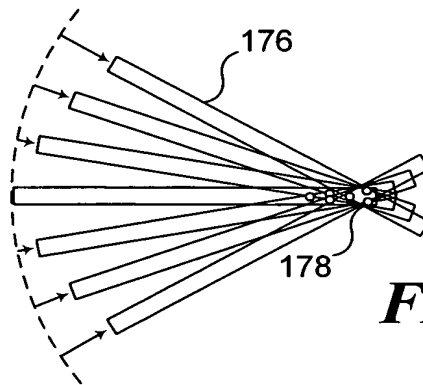


FIG. 12D

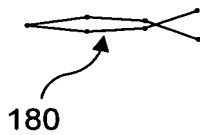


FIG. 12E

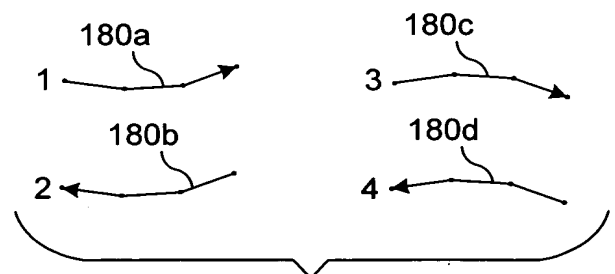


FIG. 12F

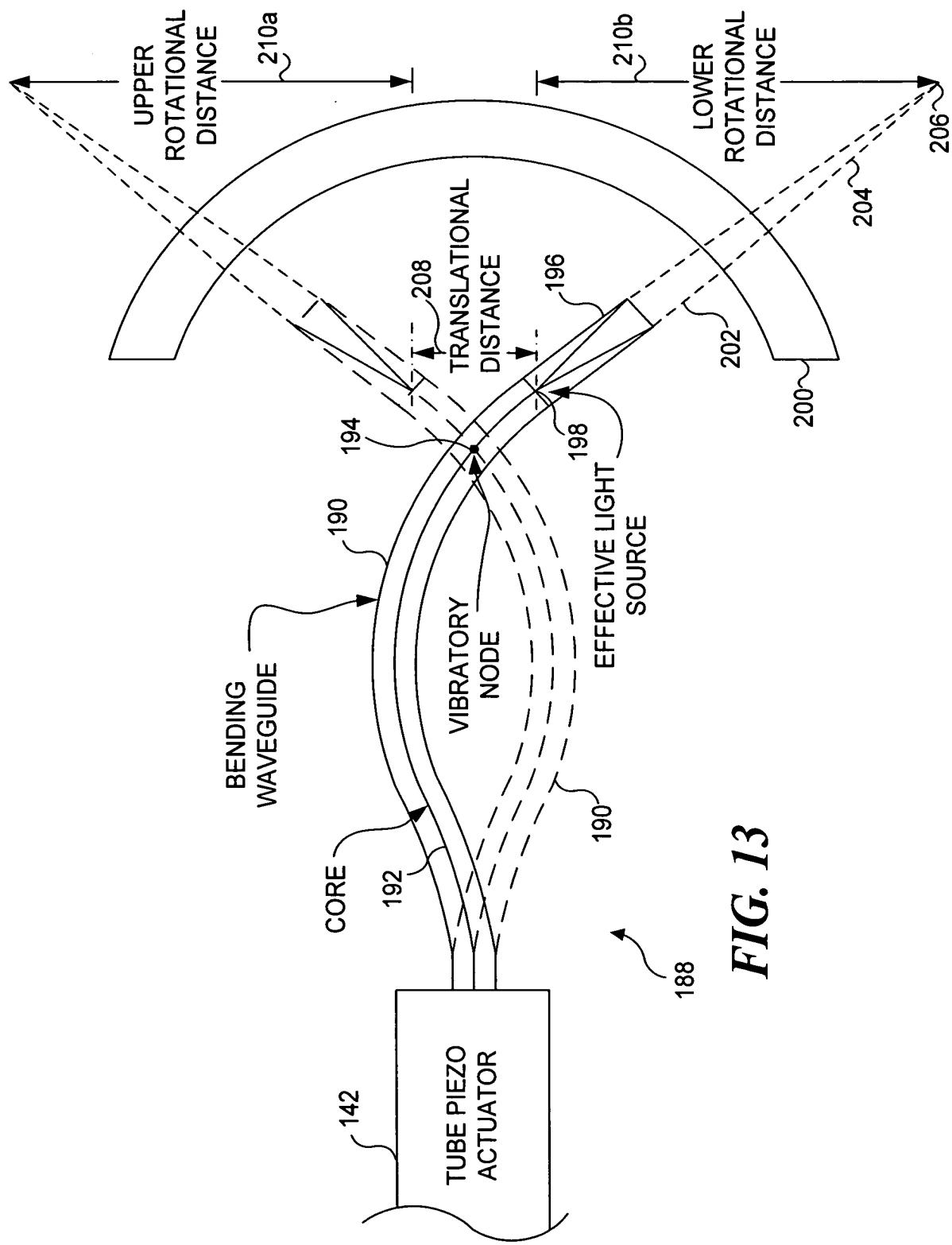


FIG. 13